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(S) NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.

THE NRO STAFF

4 March 1970

**MEMORANDUM FOR DEPUTY DIRECTOR, OFFICE OF SPECIAL
ACTIVITIES****SUBJECT: Report to the President's Foreign Intelligence Advisory
Board, July 1 to December 31, 1969**

Forwarded herewith are selected pages from the PFIAB. In accordance with our discussion last week, these data pertaining to the U-2 program and other similar programs should assist you in establishing the format and content of the submission for the next update of the report.



GEORGE F. SMITH, JR.
Assistant Deputy Director
Satellite Operations Center

Attachments - 6

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NRO review(s) completed.

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IDEALIST TAGBOARD

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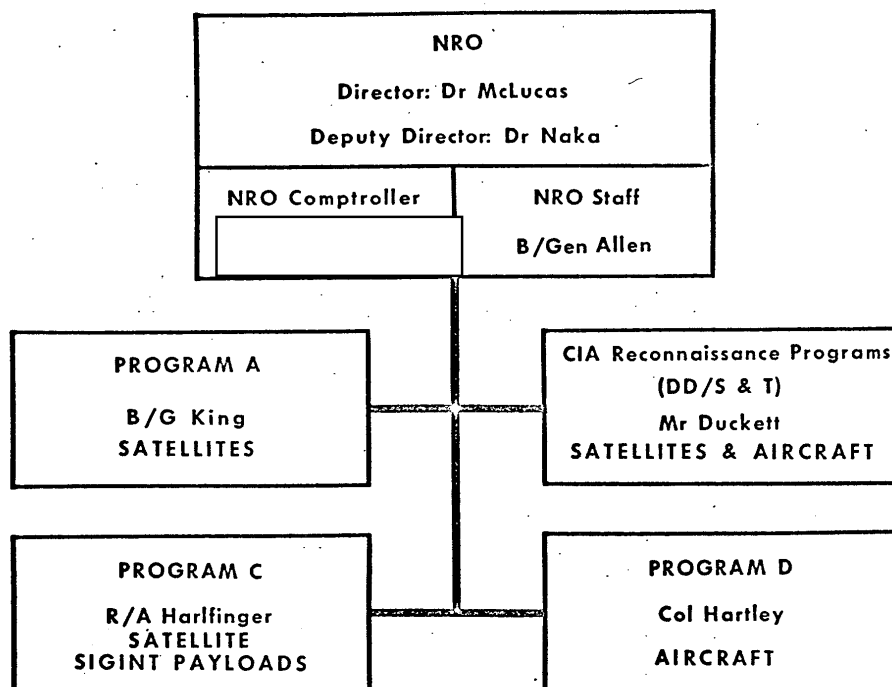
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Figure 2

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TAGBOARD: Two TAGBOARD tests will be flown. Additional storage options will be reconsidered if these tests are not successful. Costs are based on three flights per year rather than four as previously planned.

U-2: Costs are based on maintaining both the NRO and SAC fleets at a six operating aircraft level each. The possibility of fleet consolidation is being studied for FY 1972 budget consideration.

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TAGBOARD
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C. Aircraft Reconnaissance

Highlights of the activity during this period with the U-2 (IDEALIST/TACKLE) aircraft and SR-71 (GIANT SCALE) in its covert employment over denied territory are listed below.

U-2

IDEALIST. IDEALIST/TACKLE missions continued to operate in accordance with the 303 Committee restriction that there would be no approach closer than 20 nautical miles to the China mainland.

All eight of the IDEALIST/TACKLE missions flown during this reporting period were successful.

a. August 17, 1969. Photographic [] mission from the east coast of Hainan Island through the Formosa Straits.

b. August 24, 1969. Photographic [] mission covering the Shantung and Liaotung Peninsulas and the east coast of China south of Tsingtao.

c. September 9, 1969. Photographic [] mission from Foochow to Hong Kong.

d. September 25, 1969. Photographic [] mission from Hainan Island along the China coast to the northern tip of Taiwan.

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e. October 16, 1969. Photographic [] mission covering the Liaotung and Shantung Peninsulas and the east coast of China to Yen-Cheng. Chinese Communist FISHBED (MIG 21) interceptor aircraft made persistent attempts to attack the U-2 aircraft along the Shantung Peninsula. Successful evasion maneuvers were accomplished.

f. November 26, 1969. Photographic [] mission from Hong Kong, through the Formosa Strait, to Ningpo.

g. December 1, 1969. Photographic [] mission from Liu Chiao to Shanghai. Three SAMs were launched at the U-2 aircraft from a previously undetected, hastily-prepared site on Ssu Chiao Island. The aircraft successfully evaded the three missiles.

h. December 10, 1969. Photographic [] mission from Hainan Island to Foochow.

SR-71

GIANT SCALE. Four approved SR-71 missions were flown over North Korea on July 2, August 15, October 17, and November 22, 1969. The combined missions provided photography of national (USIB) and military (DOD) targets.

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TAGBOARD

IDEALIST

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Applied Research/Advanced Technology

Near Real Time Readout. In July 1969 the USIB established a requirement for a near real time readout system. Technology development was accelerated, testing was started on prototype elements for two different linear array techniques, and a special facility for testing linear array devices was placed in operation in December. Several contracts have been awarded for conceptual designs of near real time systems based on the linear array technique.



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The baseline approach to the linear array, near real time system



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A backup

effort was initiated at Itek Corporation to demonstrate fabrication of a primary mirror of different design.

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TA980ARD

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